Storm Data and Unusual Weather Phenomena - August 2010

	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
RKANSAS, Northwest				
AR-Z019) CRAWFORD, (AR-Z020) FRA			0	Evenesive Heat
	08/01/10 00:00 CST 08/06/10 20:00 CST		0	Excessive Heat
	00/00/10 20:00 001		Ü	
attern persisted through the first seve emperatures of 102 to 107 degrees, w	stem reestablished itself over the sou reral days of August. Exceptionally ho which combined with high humidity res to near 80 degrees during the overnigl	t weather was the sulted in 110 to 11	result with above	normal daytime
BENTON COUNTY 0.7 WNW DECAT				
	08/01/10 16:13 CST		5K	Thunderstorm Wind (EG 56 kt)
	08/01/10 16:13 CST		0	Source: Law Enforcement
strong thunderstorm wind blew off the re	oof of an unoccupied mobile home and	blew down trees.		
ENTON COUNTY 0.7 NW DECATU	R [36 34 -94 46]			
	08/01/10 16:25 CST		20K	Thunderstorm Wind (EG 56 kt)
	08/01/10 16:25 CST		0	Source: Emergency Manager
				0 , 0
AR-Z019) CRAWFORD, (AR-Z020) FRA	08/08/10 06:00 CST 08/15/10 20:00 CST	1	0	Excessive Heat
	00/10/10 20:00 001		U	
ugust 8th through 15th timeframe. Ex egrees, which combined with high hu	stem reestablished itself over the sou xceptionally hot weather was the resu umidity resulted in 105 to 115 degree l	lt with above nor	utheastern United mal daytime tempe	eratures of 100 to 105
august 8th through 15th timeframe. Ex legrees, which combined with high hu emperatures only fell to near 80 degre	rstem reestablished itself over the sou xceptionally hot weather was the resu umidity resulted in 105 to 115 degree I ees during the overnight hours.	ilt with above nor heat index values	utheastern United mal daytime tempe . Little relief was fo	eratures of 100 to 105 elt at night as
ugust 8th through 15th timeframe. Ex egrees, which combined with high hu emperatures only fell to near 80 degre	rstem reestablished itself over the sou exceptionally hot weather was the resu umidity resulted in 105 to 115 degree the ees during the overnight hours.	lt with above nor	utheastern United mal daytime tempe . Little relief was fo	eratures of 100 to 105
august 8th through 15th timeframe. Ex egrees, which combined with high hu emperatures only fell to near 80 degre	rstem reestablished itself over the sou xceptionally hot weather was the resu umidity resulted in 105 to 115 degree I ees during the overnight hours.	ilt with above nor heat index values	utheastern United mal daytime tempe . Little relief was fo	eratures of 100 to 105 elt at night as
August 8th through 15th timeframe. Ex	rstem reestablished itself over the sou exceptionally hot weather was the resu umidity resulted in 105 to 115 degree the ees during the overnight hours.	ilt with above nor heat index values	utheastern United mal daytime tempe . Little relief was fo	eratures of 100 to 105 elt at night as
August 8th through 15th timeframe. Ex legrees, which combined with high hu emperatures only fell to near 80 degre AR-Z001) BENTON Direct Fatalities: F1VE Exceptionally hot weather occurred ac alues to result in heat index values in	rstem reestablished itself over the sou exceptionally hot weather was the resu umidity resulted in 105 to 115 degree the ees during the overnight hours.	olt with above nor heat index values 1	utheastern United mal daytime tempe . Little relief was fo 0 0	eratures of 100 to 105 elt at night as Heat ned with high humidity
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August 8th through 15th timeframe. Exclegrees, which combined with high human per atures only fell to near 80 degree AR-Z001) BENTON Direct Fatalities: F1VE Exceptionally hot weather occurred accurred accurred to result in heat index values in everal hours in Bentonville.	rstem reestablished itself over the sou exceptionally hot weather was the resu umidity resulted in 105 to 115 degree I ees during the overnight hours. 08/13/10 09:00 CST 08/13/10 19:00 CST	olt with above nor heat index values 1	utheastern United mal daytime tempe . Little relief was fo 0 0	eratures of 100 to 105 elt at night as Heat ned with high humidity
August 8th through 15th timeframe. Exclegrees, which combined with high human per atures only fell to near 80 degree AR-Z001) BENTON Direct Fatalities: F1VE Exceptionally hot weather occurred accurred accurred to result in heat index values in everal hours in Bentonville.	rstem reestablished itself over the sount exceptionally hot weather was the result untidity resulted in 105 to 115 degree it sees during the overnight hours. 08/13/10 09:00 CST 08/13/10 19:00 CST	olt with above nor heat index values 1	utheastern United mal daytime tempe . Little relief was fe	eratures of 100 to 105 elt at night as Heat ned with high humidity ally left in a vehicle for
August 8th through 15th timeframe. Ex legrees, which combined with high hu emperatures only fell to near 80 degree AR-Z001) BENTON Direct Fatalities: F1VE Exceptionally hot weather occurred accurate to result in heat index values in leveral hours in Bentonville. AR-Z019) CRAWFORD, (AR-Z020) FRA	rstem reestablished itself over the sount exceptionally hot weather was the result until the result of the sound that it is seen that it is seen that it is seen that it is seen that is se	olt with above nor heat index values 1 1 nperatures near 1 g child died when	utheastern United mal daytime tempe. Little relief was for the control of the con	eratures of 100 to 105 elt at night as Heat med with high humidity ally left in a vehicle for Excessive Heat
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August 8th through 15th timeframe. Extegrees, which combined with high husemperatures only fell to near 80 degree AR-Z001) BENTON Direct Fatalities: F1VE Exceptionally hot weather occurred actual alues to result in heat index values in everal hours in Bentonville. AR-Z019) CRAWFORD, (AR-Z020) FRAME A strong subtropical high pressure systems as the strong subtropical high pressure systems as the strong subtropical high pressure systems.	rstem reestablished itself over the sount exceptionally hot weather was the result until the result of the sound that it is seen that it is seen that it is seen that it is seen that is se	alt with above nor heat index values 1 1 nperatures near 1 g child died when g child died when alth central United al daytime temper	utheastern United mal daytime tempe. Little relief was for the control of the con	eratures of 100 to 105 elt at night as Heat Heat Med with high humidity ally left in a vehicle for Excessive Heat August 19th through degrees, which

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(OK-Z060) TULSA, (OK-Z061) ROGERS, (OK-Z067) WAGONER, (OK-Z070) MUSKOGEE, (OK-Z072) SEQUOYAH

OKLAHOMA, Eastern

Storm Data and Unusual Weather Phenomena - August 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/01/10 00:00 CST		0	Excessive Heat
	08/06/10 20:00 CST	34	0	
A strong subtropical high pressure systopattern persisted through the first sevent emperatures of 101 to 106 degrees, while the tat night as temperatures only fell to fulsa International Airport the morning for northeastern Oklahoma in the summer	ral days of August. Exceptionally ho lich combined with high humidity resoner 80 degrees during the overnig of August 3rd and 4th was 85 and 8	ot weather was the sulted in 110 to 11 ht hours. The ove 3 degrees, respec	result with above 5 degree heat inde rnight low tempera tively, which are b	e normal daytime ex values. Little relief was ature recorded at the ooth usually warm even
CHEROKEE COUNTY 10.0 NNE TAHL	• •		0	Thursdown Mind (FO FO Id)
	08/01/10 15:03 CST 08/01/10 15:03 CST		0	Thunderstorm Wind (EG 52 kt) Source: Public
	06/01/10 15.03 031		U	Source. Fublic
he public reported numerous tree limbs	broken from strong thunderstorm wind	ds at the Eagle Blu	ff Resort.	
E FLORE COUNTY POTEAU KERR	ARPT [35.02, -94.62]			
	08/01/10 17:53 CST		0	Thunderstorm Wind (MG 51 kt)
	08/01/10 17:53 CST		0	Source: AWOS
Strong thunderstorm wind with measured	gusts to 59 mph blew down large tree	e limbs and power	lines on the east si	ide of town.
E FLORE COUNTY 0.5 W FANSHAW	VF [34 95 -94 91]			
2 . 2012 00011 1 0.5 W I ANDRAW	08/01/10 19:00 CST		0	Thunderstorm Wind (EG 61 kt)
	08/01/10 19:00 CST		0	Source: COOP Observer
Strong thunderstorm wind snapped a tree				
hunderstorms produced damaging win				
hunderstorms produced damaging win OK-Z054) OSAGE, (OK-Z055) WASHING OK-Z061) ROGERS, (OK-Z062) MAYES,	nds. GTON, (OK-Z056) NOWATA, (OK-Z05 , (OK-Z064) CREEK, (OK-Z065) OKFU K-Z072) SEQUOYAH, (OK-Z073) PITT 08/08/10 06:00 CST	57) CRAIG, (OK-Z0 JSKEE, (OK-Z066) TSBURG, (OK-Z07	58) OTTAWA, (OK OKMULGEE, (OK 4) HASKELL, (OK- 0	-Z059) PAWNEE, (OK-Z060) TULSA, -Z067) WAGONER, (OK-Z070)
thunderstorms produced damaging win (OK-Z054) OSAGE, (OK-Z055) WASHING (OK-Z061) ROGERS, (OK-Z062) MAYES, MUSKOGEE, (OK-Z071) MCINTOSH, (OK	nds. GTON, (OK-Z056) NOWATA, (OK-Z05, (OK-Z064) CREEK, (OK-Z065) OKFUK-Z072) SEQUOYAH, (OK-Z073) PITT 08/08/10 06:00 CST 08/16/10 15:00 CST	57) CRAIG, (OK-Z0 JSKEE, (OK-Z066) TSBURG, (OK-Z07-	58) OTTAWA, (OK OKMULGEE, (OK 4) HASKELL, (OK- 0 0	-Z059) PAWNEE, (OK-Z060) TULSA, (-Z067) WAGONER, (OK-Z070) Z075) LATIMER, (OK-Z076) LE FLORE Excessive Heat
hunderstorms produced damaging win OK-Z054) OSAGE, (OK-Z055) WASHING OK-Z061) ROGERS, (OK-Z062) MAYES,	nds. GTON, (OK-Z056) NOWATA, (OK-Z056, (OK-Z064) CREEK, (OK-Z065) OKFU K-Z072) SEQUOYAH, (OK-Z073) PITT 08/08/10 06:00 CST 08/16/10 15:00 CST tem reestablished itself over the sout ceptionally hot weather was the resumidity resulted in 105 to 115 degree degree range during the overnight his at Tulsa International Airport, whice treated for heat-related illness in 1	or) CRAIG, (OK-Z0 JSKEE, (OK-Z066) TSBURG, (OK-Z076 17 Ith central and so Ilt with above norsheat index values ours. Overnight loth is highly unusu	58) OTTAWA, (OK OKMULGEE, (OK 4) HASKELL, (OK- 0 0 utheastern United mal daytime tempe Little relief was fe ow temperatures o ally even for north	-Z059) PAWNEE, (OK-Z060) TULSA, C-Z067) WAGONER, (OK-Z070) Z075) LATIMER, (OK-Z076) LE FLORE Excessive Heat States during the eratures of 101 to 106 elt at night as only fell into the lower to
hunderstorms produced damaging win OK-Z054) OSAGE, (OK-Z055) WASHING OK-Z061) ROGERS, (OK-Z062) MAYES, MUSKOGEE, (OK-Z071) MCINTOSH, (OK A strong subtropical high pressure syst August 8th through 15th timeframe. Exclegrees, which combined with high hunderpreatures only fell into the 75 to 80 on iddle 80s for several consecutive days the summertime. At least 17 people wer DKMULGEE COUNTY 2.0 S HENRYE	TTA [35.42, -95.98] OK-Z056) NOWATA, (OK-Z056, (OK-Z064) CREEK, (OK-Z065) OKFU (K-Z072) SEQUOYAH, (OK-Z073) PITT 08/08/10 06:00 CST 08/16/10 15:00 CST tem reestablished itself over the sout ceptionally hot weather was the resulted in 105 to 115 degree in the sout ceptionally hot weather was the resulted in 105 to 115 degree in the sout ceptionally hot weather was the resulted in 105 to 115 degree in the sout ceptional of the overnight has at Tulsa International Airport, which is at Tulsa International Airport and International Airp	or) CRAIG, (OK-Z0 JSKEE, (OK-Z066) ISBURG, (OK-Z076 17 ath central and so alt with above non heat index values ours. Overnight to th is highly unusu Fulsa during this p	58) OTTAWA, (OK OKMULGEE, (OK 4) HASKELL, (OK- 0 0 utheastern United mal daytime temper Little relief was fe ow temperatures o ally even for north period.	C-Z059) PAWNEE, (OK-Z060) TULSA, C-Z067) WAGONER, (OK-Z070) CZ075) LATIMER, (OK-Z076) LE FLORE Excessive Heat States during the cratures of 101 to 106 celt at night as only fell into the lower to neastern Oklahoma during Thunderstorm Wind (EG 61 kt)
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nunderstorms produced damaging winderstorms developed during onditions existed. One storm produced	ads. GTON, (OK-Z056) NOWATA, (OK-Z055, (OK-Z064) CREEK, (OK-Z065) OKFU K-Z072) SEQUOYAH, (OK-Z073) PITT 08/08/10 06:00 CST 08/16/10 15:00 CST tem reestablished itself over the sout ceptionally hot weather was the resulted in 105 to 115 degree in indity resulted in 105 to 115 degree i	17) CRAIG, (OK-Z0 JSKEE, (OK-Z066) TSBURG, (OK-Z076 17 18	58) OTTAWA, (OK OKMULGEE, (OK 4) HASKELL, (OK- 0 0 utheastern United mal daytime temper. Little relief was fe ow temperatures o ally even for north period. 15K 0 rge tree limbs. ahoma where hot	C-Z059) PAWNEE, (OK-Z060) TULSA, C-Z067) WAGONER, (OK-Z070) Z075) LATIMER, (OK-Z076) LE FLORE Excessive Heat States during the eratures of 101 to 106 elt at night as only fell into the lower to neastern Oklahoma during Thunderstorm Wind (EG 61 kt) Source: Emergency Manager and very humid Thunderstorm Wind (EG 52 kt)
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nunderstorms produced damaging winderstorms wind blew off the roductions existed. One storm produced during onditions existed. One storm produced thunderstorm wind blew down nunderstorm thunderstorm wind blew down nunderstorm the produced thunderstorm wind blew down nunderstorm wind blew d	ads. GTON, (OK-Z056) NOWATA, (OK-Z055) (OK-Z064) CREEK, (OK-Z065) OKFU K-Z072) SEQUOYAH, (OK-Z073) PITT 08/08/10 06:00 CST 08/16/10 15:00 CST tem reestablished itself over the sout ceptionally hot weather was the resumidity resulted in 105 to 115 degree in the degree range during the overnight has at Tulsa International Airport, whice treated for heat-related illness in Temporary (12.10) 13:58 CST 08/12/10 13:58 CST of of a barn, damaged a mobile home and the afternoon hours across portion of damaging wind. 36.18, -95.70], 3.8 SSE VERDIGRIS [3.08/14/10 03:00 CST 08/14/10 03:00 CST	17 ST) CRAIG, (OK-Z0 JSKEE, (OK-Z066) TSBURG, (OK-Z076 17 17 Ith central and so ollt with above northeat index values ours. Overnight loth is highly unusufulsa during this point of eastern Oklobas	58) OTTAWA, (OK OKMULGEE, (OK- 0 0 utheastern United mal daytime temper. Little relief was for the temperatures of ally even for north the temperatures. 15K 0 rge tree limbs. ahoma where hot 0 0 st 580 Road between	C-Z059) PAWNEE, (OK-Z060) TULSA, C-Z067) WAGONER, (OK-Z070) CZ075) LATIMER, (OK-Z076) LE FLORE Excessive Heat States during the eratures of 101 to 106 elt at night as only fell into the lower to neastern Oklahoma during Thunderstorm Wind (EG 61 kt) Source: Emergency Manager and very humid Thunderstorm Wind (EG 52 kt) Source: Public een 241st and 289th East Avenue.

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Storm Data and Unusual Weather Phenomena - August 2010

Location Date/Time Deaths & Property & **Event Type and Details** Injuries Crop Dmg Strong thunderstorm wind blew down trees and large tree limbs, damaged the roofs of several homes and blew down fences. The damage was confined in a swath from about 3/4 of a mile west of the intersection of Mingo Road and 75th Street South to Mingo Road and 71st Street South. Isolated severe thunderstorms developed during the early morning, resulting in localized wind damage across a small area of Tulsa and Rogers Counties. MAYES COUNTY --- 4.0 ESE ADAIR [36.41, -95.20] 08/15/10 17:30 CST 0 Thunderstorm Wind (EG 52 kt) 08/15/10 17:30 CST 0 Source: Emergency Manager Strong thunderstorm wind blew down trees east of Adair. Thunderstorms developed as a weak surface boundary entered the very hot and humid airmass in place across eastern Oklahoma. Some wind damage occurred in northeast Oklahoma as a result of one of the storms. (OK-Z049) PUSHMATAHA, (OK-Z053) CHOCTAW, (OK-Z060) TULSA, (OK-Z072) SEQUOYAH, (OK-Z073) PITTSBURG, (OK-Z074) HASKELL, (OK-Z075) LATIMER, (OK-Z076) LE FLORE 08/20/10 02:00 CST 0 **Excessive Heat** 08/22/10 18:00 CST 0 A strong subtropical high pressure system reestablished itself over the south central United States during the August 19th through 22nd timeframe. Exceptionally hot weather was the result with above normal daytime temperatures of 98 to 102 degrees, which combined with high humidity resulted in 105 to 110 degree heat index values. Little relief was felt at night as temperatures only fell into the upper 70s to near 80 degrees during the overnight hours. At least four people were treated for heat-related illness in Tulsa during this period. OSAGE COUNTY --- 13.0 WSW BURBANK [36.63, -96.94] 08/31/10 16:13 CST 40K Thunderstorm Wind (EG 61 kt) 08/31/10 16:13 CST 0 Source: Emergency Manager Strong thunderstorm wind damaged two mobile homes, destroyed two barns, and blew down large tree limbs. ROGERS COUNTY --- 3.0 SSE INOLA [36.11, -95.48] 08/31/10 18:30 CST 0 Thunderstorm Wind (MG 53 kt) 08/31/10 18:30 CST 0 Source: ASOS MUSKOGEE COUNTY --- 1.7 N BACONE [35.77, -95.33] 08/31/10 18:50 CST 0 Thunderstorm Wind (EG 52 kt) 08/31/10 18:50 CST 0 Source: Public Strong thunderstorm wind blew over a set of metal bleachers at Bacone College. MAYES COUNTY --- PRYOR [36.30, -95.32] 0 Thunderstorm Wind (EG 52 kt) 08/31/10 18:51 CST 0

Strong thunderstorm wind blew down numerous trees and large tree limbs.

Thunderstorms developed ahead of a cold front that pushed into the region. Wind damage occurred across portions of eastern Oklahoma as these storms moved through the area.

08/31/10 18:54 CST

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Source: Law Enforcement